

Patent Abstracts of Japan

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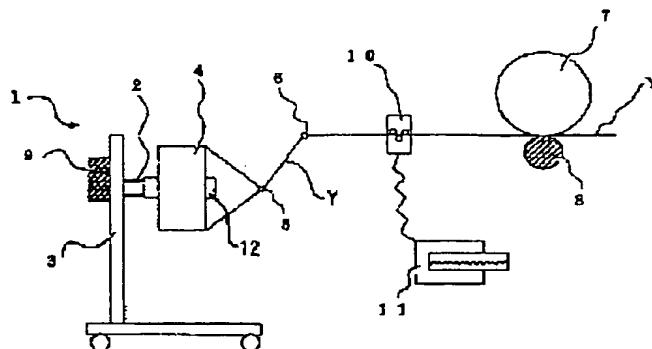
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TITLE : THREAD UNTYING METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To longitudinally untie a thread from a coiled thread body of elastic thread like rubber in which the thread can not be smoothly released by a conventional method, by untying the thread while applying micro vibrations to the coiled thread body.

SOLUTION: When a thread Y is untied from a coiled thread body 4 formed by coiling the thread, micro vibrations are applied to a frame 3 by a vibrator fixed to the frame 3 and the coiled thread body 4 is vibrated by the micro vibrations transmitted via a creel peg 2 and the thread Y untied from the coiled thread body 4 is also vibrated on the coiled thread body 4. Therefore, when the thread Y in the back side of the coiled thread body 4 is untied, contact friction between it and the thread coiled in the front side is reduced to easily untie the thread Y without large variations in tension.

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